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ABSTRACT

This broadcast guide for instructional television describes the programs offered by the Idaho State Department of Education, in affiliation with Idaho Public Television, a service offered at no charge to Idaho school districts. The body of the guide is arranged by subject area, with an alphabetical index at the end of the guide to assist in locating particular programs. Each program page in the guide provides a brief description of the series and the titles of each episode in the series. Exact broadcast times are published in a calendar format and mailed every two months during the school year; discontinued programs are also listed in the guide. Program descriptions in the table of contents are listed under the following headings: Career and Consumer Education; Health and Nutrition; General Programs; Language Arts and Literature; Mathematics; Music; Professional Development; Social Studies; and Science. An appendix lists series distributors and their addresses. (NKA)

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ED 440 645

State of Idaho

Department of Education

Instructional Television

Broadcast Guide

1998-1999

Prepared by Stephanie Kay Clark

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IR020332

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ABOUT THE ITV SCHEDULE

In affiliation with Idaho Public Television, the Idaho State Department of Education provides this service at no charge to Idaho school districts. The ITV broadcasts are carried by Idaho Public Television stations KAID-TV (Channel 4) in Boise, KISU-TV (Channel 10) in Pocatello, and KUID-TV (Channel 12) in Moscow. In addition, the Idaho Public Television signal can be received on almost every cable television system in the state, as well as on a great many translator stations.

Guide Arrangement. The ITV Guide begins with a Table of Contents, which lists the programs by subject area. The Table of Contents will be helpful in locating desired sections of the Guide, e.g., Discontinued Programs. The body of the ITV Guide is arranged by subject area, with an alphabetical index at the end of the guide to assist in locating particular programs. Each program page provides a brief description of the series, and the titles of each episode in the series. The exact broadcast times are published in a calendar format and mailed every two months during the school year (see below).

Other important sections of the guide are described as follows:

Blockfeed Broadcast Schedule (not part of the guide). To make the use of ITV programming easier and more effective, programs are being distributed only via overnight "blockfeeds," in which a number of episodes of a series are broadcast back-to-back. These blockfeeds allow schools to tape an entire series at one time or over several sequential blockfeed days, depending upon the length of the series. This allows educators to consolidate many episodes of a series onto one tape. The VCR's counter number can index program episodes after they are recorded, making them much easier to find on the tape for later use. One advantage to recording the programs overnight is that it will free up school VCRs for use during the day.

Teachers can keep tapes in the library during the school year for ready access, so the program may be used when desired. Ultimately, teachers may then include the instructional video in their lesson or unit plans according to their own schedule.

To reiterate, **blockfeeds will be scheduled each Wednesday (?), and Thursday and Friday from 1:00 to 5:30 a.m. (Mountain Time) (midnight to 4:30 a.m. Pacific Time).** It is critical to note that the blockfeed times are from 1:00 to 5:30 **a.m.** (Mountain). Educators wishing to tape a feed will need to remember to set their VCRs on *Tuesday afternoon* to tape the programs which will be aired early *Wednesday morning*, and so on for each of the blockfeed days.

ITV Taping Rights. The most effective use of ITV requires having the program available on tape for use as needed in the classroom. Taping is legally permissible for all programs included in this ITV guide as long as the programs are used for educational purposes within your school. The tapes may be kept for the entire school year. The State Department of Education buys the rights for schools to use these materials on an annual basis, so you may retain your tapes as long as the title of a given series is continued in the annual ITV Guide. **When a series is dropped from the schedule book, your school must either purchase the taping rights from the distributor or erase the tapes of the series that have been made.** There are a few exceptions in which an older program owned by the SDE is no longer broadcast, but to which schools still have use rights. Typically, these are programs produced by AIT or PBS. Be certain to check the page in this guide on "Discontinued Programs" against your school's tape library and ensure that illegal tapes are erased. Further information on program use rights can be acquired from the ITV Coordinator at the State Department of Education.

Other Educational Programming. Other educational programs, such as "Sesame Street," "Nova," "Square One," and "Where in the World is Carmen San Diego?" are aired on Idaho Public Television channels during daytime and evening hours. This programming is made available by Idaho Public Television and is not scheduled by the State Department of Education. For information on educational programs broadcast days and evenings, consult your daily television guide or the Idaho Public Television membership magazine, *Idaho Channels*. All schools should be receiving this publication at no charge, but it is also possible for individual teachers to receive limited subscriptions at no charge. Another source of information is the magazine, *Teacher Connex*, which is available by subscription for $15. Contact Lynn Allen at 373-7220 for further information.

Teacher Guides. Guides available through distributors.

Further Information. For more information concerning the ITV schedule or ITV programming, please contact the ITV Program Coordinator, Stephanie Clark, at the State Department of Education, (208) 332-6972 or sclark@sde.state.id.us. This guide and other information is also available on the web at **http:\\idptv.state.id.us**.

DISCONTINUED ITV PROGRAMS

The State Department of Education has discontinued rights to the following programs from the broadcast schedule. **Schools holding copies of these programs must erase the tapes to avoid violating copyright law.** Should you wish to retain copies of the program(s) for continued use, contact the series distributor identified in this Guide to purchase those rights.

Program Title	*Distributor*
Life & Times of the Humpback Whale	PMN
Living on a Volcano	PMN
NTTI Professional Development	GPN
The People and The Power Game	PBS
What's in the News	ITS

THE ROAD TO COLLEGE - 1998 EDITION

Guidance
Grades: 10 - Adult
Length: 60 minutes
Series Distributor: EPS
Columbia, SC 803-799-5517

This hour-long program is about the entire college application process. It is designed for high school students and their parents. The "how-to" portion will walk the viewer through the college process with an emphasis on financial aid. The interviews and testimonials provide inspiration for those likely to be overwhelmed by the process. The program follows a fictional high school student and his parents through this college process, from high school to the university. We see the problems in selecting a college, applying to several colleges, filling out forms and from the family perspective, facing tuition costs. This drama is light in tone and each brief scene is intended to introduce new topics. First-hand testimonials from college students and interviews with professionals are included.

Episode #	Lesson Title
1	The Road to College: A Financial Aid Primer for Students and Parents - 1998 Ed.

WIDEN YOUR CHOICES

Career
Grades: 4 - 8
Length: 20 minutes
Series Distributor: EPS
Columbia, SC 803-799-5517

Widen Your Choices is designed to encourage and motivate middle school students to start thinking about and planning for college, especially those students who may never before have considered the possibility. After viewing and discussing programs with their teacher/counselor, a student will be able to:

- Explain why eighth grade is a good time to start planning for college;
- List things they will have to do or plan for if college is their goal;
- Realize that a lack of money should not prevent them from thinking about college.

Episode #	Lesson Title
1	This is College
2	Why College?
3	Preparing and Paying for College

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YOUR FUTURE YOUR CHOICE: CAREERS IN ALLIED HEALTH

Career
Grades: 11-12
Length: 15 minutes
Series Distributor: ITS
State College, PA 703-476-4468

This program identifies career choices in the allied health field focusing on four professionals from around the United States in the areas of ultrasound, medical technology, occupational therapy, and nutrition/dietetics. Students preparing for these careers discuss other allied health careers.

Episode #	Lesson Title
1	Your Future Your Choice: Careers in Allied Health

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DARE TO BE DIFFERENT: RESISTING DRUG RELATED PEER PRESSURE

Drug Education
Grades: 10 - 12
Length: 20 minutes
Series Distributor: USDE
Washington, D.C. 208-332-6800

A friendship between tow high school athletes in their last year of high school is used to illustrate the importance of goals and values.

Episode #	Lesson Title
1	Dare to be Different

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DOWNFALL: SPORTS AND DRUGS

Drug Education
Grades: 7 - 12
Length: 30 minutes
Series Distributor: USDE
Washington, D.C. 208-332-6800

This show profiles athletes whose careers were disrupted by drugs - especially steroids. Scenes of the athletes performing are mixed with present day, sobering interviews. The program examines the consequences of drugs on all aspects of an athlete's life - career, family, friends, sense of accomplishment, and self-esteem. Athletes who compete drug-free are featured as well.

Episode #	Lesson Title
1	Downfall: Sports and Drugs

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DRUG AVENGERS

Drug Education
Grades: 1 - 6
Length: 5 minutes
Series Distributor: USDE
Washington, D.C. 208-332-6800

The year is 2050 and the planet Earth has a terrible drug problem. Earth's leaders organize a group of students to go back to the 20th century to teach children about the dangers of drug use.

Each episode has its own message. These shows urge caution about ingesting unfamiliar substances; encourage students to trust their instincts when they think something is wrong; show that drugs make things worse, not better; explain that offering or accepting an offer of drugs is not the right way to become someone's friend; and demonstrate that there are ways to refuse drugs without losing friends.

Episode #	Lesson Title
1-11	Episode title unavailable.

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FAST FORWARD FUTURE

Drug Education
Grades: 4 - 6
Length: 15 minutes
Series Distributor: USDE
Washington, D.C. 208-332-6800

When three elementary students enter a mysterious portal in the school library, they discover the Fast Forward Future machine and its unusual inhabitant, "Mentor", played by actor Richard Kiley. The Fast Forward machine allows youngsters to peer into the future and see what will happen if they use drugs and what will happen if they remain drug free.

Maggie, a sixth grader, learns to perfect her refusal skills. Zack, a fifth grader, learns decision making and how to deal with his parents alcoholism. And fourth-grader Casey looks into the future and discovers how to find help for a brother who uses drugs. All three find the "Helpers File" of adults who can help.

Episode #	Lesson Title
1-3	Fast Forward Future, individual episode title, unavailable.

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HARD FACTS ABOUT ALCOHOL, MARIJUANA, CRACK

Drug Education
Grades: 10 - 12
Length: 15 minutes
Series Distributor: USDE
Washington D.C. 208-332-6800

A program that dramatizes the devastating effects that alcohol, marijuana, cocaine, and crack have on a high school class during the four years leading to graduation.

Episode #	Lesson Title
1	Hard Facts About Alcohol, Marijuana and Crack

HEALTHWARD BOUND: A LIFELONG JOURNEY

Health
Grades: 6-12
Length: 30 minutes
Series Distributor: PMN
Denver, CO 303-837-8000

As humans, we start our lives at conception, live a number of years that make up our "lifetime" and then die. Every lifetime is filled with physical, mental, emotional and spiritual changes that shape the unique and personal journey that is our life. Because genes, lifestyle, illness, disease and personal choices all influence how we live, how we age and the length of our life's time, there are no consistent rules as to how long we'll live or the quality of our life. Ultimately, it's up to each of us to become informed about the basics of how our bodies work and how interdependent the various systems of the body are, so that we can make informed choices about how to take care of it. The goal of this series is to provide just that kind of information - a video "owner's manual" for anyone with a body.

Episode #	Lesson Description
101	Overview of the Various Systems of the Human Body
102	From Birth Through Life
103	The Circulatory System
104	The Interrelation and Change of the Body Systems
105	The Sense of Smell and the Ability to Communicate
106	Summary of System Changes as We Age

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LOOKIN' GOOD

Drug Education
Grades: 7 - 9
Length: 30 minutes
Series Distributor: USDE
Washington D.C. 208-332-6800

This series is based on actual incidents involving drug and alcohol use. The two programs spotlight refusal skills and show how a handful of concerned students - with the help of their school and community - build a peer support group to resist peer pressure to use drugs. Although these two dramas underscore the importance of prevention, they also recognize that some students have already been exposed to drugs and may need help.

Episode #	Lesson Title
1 & 2	Individual episode titles are not available.

RIGHT TURNS ONLY!

Drug Education
Grades: 6-8
Length: 25 minutes
Series Distributor: PBS
Alexandria, VA 703-739-5402

Right Turns Only is a drug education series which targets grades 6-8 students in urban and suburban school systems and focuses special attention on African-American and Hispanic youth.

Episode #	Lesson Title
0001	Group Belonging and Peer Pressure
0002	Responsibility and Identity
0003	Goals and the Media's Mixed Message
0004	The Strength of Families & the Challenge
0005	Alcohol an Other Drugs and At Risk...
0006	Problem Solving and How to Deal with Har
0007	Life Can Be Fun

SMOKING PREVENTION

Health
Grades: 6-9
Length: 5 minutes
Series Distributor: PMN
Denver, CO 303-837-8000

This lively and humorous series follows two adolescent girls who experiment with cigarette smoking as a way to be "cool". They find out that not only does the habit repulse the boy they hope to impress, but they also feel the physically negative effects caused by smoking.

Produced by KCET/Los Angeles, the programs use an upbeat style to entertain as well as inform teenagers about the consequences of smoking.

Episode #	Lesson Title
1	Not the Way to Go
2	Get A Life!

SPEAK UP, SPEAK OUT: LEARNING TO SAY NO TO DRUGS

Drug Education
Grades: 10 - 12
Length: 10 minutes
Series Distributor: USDE
Washington D.C. 208-332-6800

Using the familiar scenario of a senior class trip, this program suggests techniques that students can use to resist peer pressure and say "no" to drug use.

Episode #	Lesson Title
1	Speak Up, Speak Out: Learning to Say No to Drugs

STRAIGHT AT YA!

Drug Education
Grades: 7 - 9
Length: 40 minutes
Series Distributor: USDE
Washington, D.C. 208-332-6800

Kirk Cameron, teen favorite from ABC's "Growing Pains" a few years back, is featured in this video set in a junior high classroom. Cameron replaces Waldo, the class monitor, who has been assigned to show a drug prevention film to a class when a teacher is unexpectedly absent. Discarding the out-of-date film, Cameron engages students in discussions that cover such topics as peer pressure, mustering the resolve to say no, and choosing a positive and healthy life style.

Animation and flashbacks that give the students an opportunity to learn how they can more effectively deal with real life situations and supplement classroom scenes.

Episode #	Lesson Title
1	Straight At Ya!

STRAIGHT UP

Drug Education
Grades: 4 - 6
Length: 15 minutes
Series Distributor: USDE
Washington D.C. 208-332-6800

Academy Award winning actor Lou Gossett, Jr., and young TV star Chad Allen appear in this story about a boy named Ben who faces peer pressure to use alcohol and drugs. During Ben's struggles to resist drugs, he meets Cosmo, played by Gossett. Cosmo takes Ben on a journey in the "fate" elevator to the "Dungeon of Ignorance," the "Land of Illusion," and "Drug City," where he meets the villainous characters "Booze," "Pot," "Cocaine," and "Heroin." Although Ben must travel through these mysterious lands alone, Cosmo supplies magic devices that give Ben knowledge, the ability to see through illusion, and self-esteem.

Ben's journeys teach him valuable lessons about why drugs and alcohol are harmful, and show him how to resist pressures to use them.

Episode #	Lesson Title
1 - 6	Individual episode titles unavailable.

YOUR CHOICE ... OUR CHANCE

Health Education
Grades: 5 - 6
Length: 15 minutes
Series Distributor: AIT
Bloomington, IN 800-457-4509

Your Choice . . . Our Chance targets children in the vulnerable pre-adolescent years, incorporating proven prevention strategies recommended by leading health educators. The school component focuses on knowledge, attitudes, and behaviors that influence drug use. The programs are designed to help students develop personal and social skills, learn to make decisions, and improve their self-concept. Dramatic episodes feature target-age students in realistic school, family, and peer group situations. The programs feature a variety of socioeconomic levels, family structures, and racial and ethnic backgrounds.

Episode #	Lesson Title
	(For Students)
1	I Think I Am (Self-Concept)
2	Decisions and Actions
3	Wellness
4	Risk Factors
5	Thanks...But No Thanks (Peer Pressure)
6	Good Practice Today (Refusal Skills)
7	Sister, Sister (Health Enhancing Behaviors)
8	Stress
9	A Friend Indeed (Responsibility)
10	Media

Episode #	Lesson Title
	(For Adults)
1	It Can Happen Here (Burlington, WA)
2	Where Do You Go for Help? (Salinas, CA)
3	How Do You Prevent the Problem?(St. Louis, MO)

A MEMORY FOR TINO

General
Grades: 1 - 6
Length: 30 minutes
Series Distributor: GPN
Lincoln, NE 800-228-4830

This is the story of a special friendship - a story with a message for audiences of all ages. Based on the well-loved children's book of the same name by Dr. Leo Buscaglia, the film was created to spark classroom discussion on the topic of giving - a lesson that will hopefully stay with the young viewers all their lives.

A Memory for Tino tells the story of a young boy's relationship with an elderly neighbor, known to the local kids as "the neighborhood witch." The friendship makes an enormous difference in both their lives and teaches Tino that friends come in all shapes and sizes and that the most important gift we can give to someone is love and time together.

Episode #	Lesson Title
1	A Memory for Tino

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WHAT IS THE LIMIT?

General
Grades: 8 - Adult
Length: 30 minutes
Series Distributor: WIT
(213) 466-8601

The National Audubon Society has a history and tradition of facing issues head on and finding solutions. As a result, Audubon, recognizing the impact of population growth on the natural environment and the Earth's resources, began an active program to address global population. **What is the Limit?** Is the Audubon's contribution to the education process in the area of population. At the current rate of world population growth, we are in danger of depleting our worldwide natural resources. This program offers examples of solutions to stimulate ideas and discussions.

Episode #	Lesson Title
1	What is the Limit?

LYRIC LANGUAGE

ESL, Foreign Language
Grades: K - 6
Length: 20 minutes
Series Distributor: PENTON
Carlsbad, CA 800-748-5804

Lyric Language, one of the most successful video language programs ever introduced teaches foreign languages to children through music and delightful bilingual lyrics. Also perfect for ESl students! Available in Spanish, French, German, Italian, and Japanese. Each program takes the viewer on a series of real-life adventures while effortlessly teaching the foreign language. Kids will sing along with original music while they take a trip to the zoo, the beach, the forest, or even a hot air balloon ride? It's an innovative method that appeals to all ages.

Episode #	Lesson Title
101	French/English Series 1, Part 1
102	French/English Series 1, Part 2
201	French/English Series 2, Part 1
202	French/English Series 2, Part 2
301	German/English Series 1, Part 1
302	German/English Series 1, Part 2
401	German/English Series 2, Part 1
402	German/English Series 2, Part 2
501	Italian/English Series 1, Part 1
502	Italian/English Series 1, Part 2
601	Italian/English Series 2, Part 1

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Episode #	Lesson Title
602	Italian/English Series 2, Part 2
701	Spanish/English Series 1, Part 1
702	Spanish/English Series 1, Part 2
801	Spanish/English Series 2, Part 1
802	Spanish/English Series 2, Part 2
901	Japanese/English Series 1/2, Part 1
902	Japanese/English Series 1/2, Part 2

READING RAINBOW

Language Arts
Grades: K - 3
Length: 30 minutes
Series Distributor: GPN

Reading Rainbow is an educational series designed to encourage and motivate young children to read good books and visit their local libraries. The series has four design elements, which form the basis for each program's development. The first three elements are the adaptation of excellent children's literature, the presentation of book related or on-site location experiences, and the depiction of the library as a valuable resource. The remaining element, the development of a positive self-concept, is implicit throughout the series. Each program has a unique and different theme that is designed to engage the young viewer. These elements are:

Appreciating Good Literature
Introducing New Experiences
Recognizing the Local Library as a Resource
Promoting a Positive Self-Concept

These episodes change weekly.

Web site: http://www.pbs.org/readingrainbow/

CHALLENGE OF THE UNKNOWN

Mathematics/Problem Solving
Grades: 4 - 12
Length: 30 minutes
Series Distributor: W.W. Norton Co.

Challenge of the Unknown is a series of seven films about mathematics and problem solving complete with comprehensive teaching materials. The series is designed for use in elementary and secondary math and science classrooms. The goal of the series is to show math in a new light to help students understand how to solve complex problems. The films illustrate key problem formulation processes we all use, and show people wrestling with a wide range of problems in the real world. The problem solvers use math as a tool: it makes their tasks easier. Comedy segments interspersed with documentary segments demonstrate how problems cannot be solved by someone who is not thinking but is just pushing ahead, trying to force the problem to yield an answer.

Episode #	Lesson Title
1	Situation/Where Am I?
2	Information/What Do I Do?
3	Restatement/Haven't I Seen This?
4	Outcomes/Where Am I Going?
5	Management/What Do I Do Next?
6	Estimation/Am I Close?
7	Argument/Am I Right?

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CONIC SECTIONS

Mathematics/Science
Grades: 11 - 12, Postsecondary
Length: 10 minutes
Series Distributor: TVO
Cary, NC 800-331-9566

Conic Sections uses contemporary three-dimensional animation techniques and a touch of humor to illustrate math concepts that students find difficult to understand. The animation and music are creatively used to illustrate these concepts in a way that cannot be duplicated on a blackboard. The programs examine the conics; consider them on the Cartesian Plane; and apply simple transformations to "move" them from standard position to other positions on the plane. Methods of construction are also introduced and applications of conics are illustrated.

Episode #	Lesson Title
1	Slicing the Cone
2	Circles
3	The Ellipse
4	The Parabola
5	The Hyperbola
6	Conic Reflections

More information is available on the Internet at u.s.sales@tvo.org

THE EDDIE FILES

Mathematics
Grades: 4-6
Length: 20 minutes
Series Distributor: PBS
Alexandria, VA 703-739-5402

Geared towards students in grades 3 through 6, **The Eddie Files** is told from the point of view of Eddie, an 11-year-old East Harlem student. Eddie's teacher is Kay Toliver, profiled in FASE's Peabody Award-winning PBS special, *Good Morning Miss Toliver*. The series is a unique combination of fiction and real-world math and science. Winner of 1995 Parent's Choice Award.

Episode #	Lesson Title
101	Welcome to Math: You Gotta Start Somewhere
102	Estimation: Going to the Dogs
103	Geometry: Invasion of the Polygons
104	Fractions: Anyway You Slice It

More information is available on the Internet at www.fasenet.org

& Www.fasenet.org/itv/pg_eddie.hml

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FUTURES: WITH JAIME ESCALANTE

Math, Science, & Careers
Grades: 7 - 12
Length: 15 minutes
Series Distributor: TVO [s/b PBS]
Cary, NC 800-331-9566

Futures shows students how math relates to the working world. Starring Los Angeles teacher Jaime Escalante and his students, the series captures Escalante's innovative teaching style and demonstrates how students are better motivated when they can connect today's schoolwork to what they will be doing in the future. The show demonstrates the broad applications of mathematics and brings the worlds of business and industry into focus for students to provide relevance to their current schooling.

Episode #	Lesson Title
101	Agriculture
102	Aircraft Design
103	Architecture/Structural Engineering
104	Automotive Design
105	Cartography
106	Fashion
107	Water Engineering
108	Optics
109	Putting Man in Space
110	Sound Engineering
111	Statistics
112	Sports/Performance

More information is available on the Internet at u.s.sales@tvo.org

& www.fasenet.org/itv/pg_eddie.html & www.fasenet.org/itv/pg_interact.html

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FUTURES II: WITH JAMIE ESCALANTE

Math, Science, Careers
Grades: 7 - 12
Length: 15 minutes
Series Distributor: TVO [s/b PBS]
Cary, NC 27511 800-331-9566

Join Jaime Escalante, his students and celebrity guests in twelve new episodes linking classroom math and science to exciting and rewarding careers. **Futures**^{2} starts in the classroom where basic math principles are introduced and then goes behind the scenes to places like MTV, San Diego Wild Animal Park, the National Hurricane Center, and the Lakers' Basketball Training Center for interviews with professionals and engineers who use math every day.

Episode #	Lesson Title
201	Animal Care
202	Fitness and Physical Performance
203	Renewable Energy
204	Environmental Science & Technology
205	Graphic Design
206	Industrial Design
207	Future Habitats
208	Advanced Transportation
209	Personal Communication
210	Mass Communication
211	Meteorology
212	Ocean Exploration

More information is available on the Internet at www.fasenet.org/itv/pg_eddie.html **&**

Www.fasenet.org/itv/pg_interact.html

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MATH TALK

Math
Grades: 4-6
Length: 15 minutes
Series Distributor: PBS
Alexandria, VA 703-739-5402

The **Math Talk** series as a whole brings mathematics into the grades 4-6 classroom in ways that are fun for both the students and the teacher. As hosts of a call-in math talk show, Maria Lopez and her wisecracking sidekick, Buster the Parrot, field calls from kids and adults who have mathematical dilemmas. They shed light on the caller's questions by showing segments from the award-winning SQUARE ONE TV library. The segments include music videos, soap operas like "General Mathpital", video games, skits, animation, math commercials and play along game shows like "Close Call" and "Square One Challenge". Each program focuses on a specific topic in ways consonant with the NCTM Curriculum Standards.

Episode #	Lesson Title
101	Probability and Statistics: Take a Chance! - Exploring Probability
102	P & S: The Data Game - Using Graphs
103	P & S: The Perils of Polling - Conducting Surveys
104	P & S: Whom Do You Ask? - Understanding Surveys
105	P & S: Don't Jump to Conclusions - Interpreting Statistics
106	Number Sense: Evening Things Out - Understanding Averages
107	N S: Factor 'em In - Exploring Factors and Multiples
108	N S: Soaring Sequences - Thinking About Large Numbers
109	N S: Let Me Count The Ways - Counting With Combinatorics
110	N S: Both Sides of Zero - Playing With Positive and Negative Numbers
111	Measurement: Measured Steps - Measuring Length
112	M: Scoping Out The Area - Measuring Area
113	M: All Shapes And Sizes - Measuring Perimeter and Area

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Episode #	Lesson Title
114	M: Sizing Things Up - Scale and Ratio
115	M: Close Enough - Estimating
116	Geometry: Flip And Fold - Seeing Symmetry
117	G: Two Sides Are Longer Than One - Making Triangles
118	G: Getting Into Shapes - Playing With Polygons
119	G: Shape-By-Number - Building Rectangles
120	G: What Shape Is Your Number? - Finding Number Patterns in Squares and Triangles
121	Math Talk For Teachers - An Introduction
122	Math Talk For Families - Measuring and Geometry

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QUADRATICS

Mathematics
Grades: 10 - 12
Length 10 minutes
Series Distributor: TVO
Cary, NC 800-331-9566

Quadratic equations are the first building block on the road to higher mathematics. The fifth series in TVO's Concepts in Mathematics strand, **Quadratics** continues to bring clarity to the abstract concepts mathematics students find most difficult to master. Replacing the static images used by textbooks to explain and illustrate, dynamic computer animation is used exclusively in all segments of the television lessons. Used with whole classes or with small groups or individuals, teachers find the short segments serve their students well, whether they are learning to solve quadratic equations for the first time or are reviewing for reinforcement.

Using vivid computer animation, this six-part series introduces quadratic equations and their corresponding functions on the Cartesian plane. With different coefficients, several quadratic equations are solved and graphed on the plane and compared. The concept of a root is introduced, and methods for finding the roots of a quadratic equation are explored, including graphing, factoring into two binomials, and completing the square. This leads to the development of the quadratic formula, which can be applied to any quadratic equation. Complex numbers are presented, and the results of discovering complex roots for a quadratic are shown.

Episode #	Lesson Title
1	Zeroes and Roots
2	Factoring Quadratics
3	Completing the Square
4	The Quadratic Formula
5	Complex Roots
6	Application of Quadratics

More information is available on the Internet at u.s.sales@tvo.org

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JAZZMAKERS

Music
Grades: JH - SH
Length: 15 minutes
Series Distributor: CHEVRON
San Francisco, CA 707-996-1996

This series features performances by outstanding jazz artists, who comment about their relationship to and feelings about this improvisational art form.

One of the leading drummers of the 20th century, the late Art Blakey describes the power of the jazz experience, the role of the drummer and other musicians in a jazz group, and how musicians communicate through improvisation and even vibrations.

A gifted and articulate guitarist, Burrell describes the history of the blues and jazz, how these musical forms have influenced international music, and how this music is a human language that we all speak.

An accomplished jazz and classical pianist, McPartlan demonstrates a variety of jazz moods, provides a short history of jazz, and offers some personal insights into her long career as a jazz musician.

Vocalist Wilson and saxophonist Cole sing and play together for the first time and explain how musicians communicate with each other and how vocal traditions and jazz instruments have interacted to build the rich voice of jazz.

Episode #	Lesson Title
1	Art Blakey
2	Kenny Burrell
3	Marian McPartlan
4	Nancy Wilson & Richie Cole

Free Teachers Guides are available on the Internet at http://www.chevron.com

ASSESSMENT & EVALUATION

Inservice
Grades: Teachers
Length: 30 minutes
Series Distributor: TVO
Cary, NC 800-331-9566

In an era of educational accountability, assessment and evaluation practices are necessarily changing. Consider the impact of national testing, alternative models of assessment, new classroom strategies, and more. Learn how assessment and evaluation can become a practical, constructive tool for students, their families, the community, and teachers.

Episode #	Lesson Title
1	Perspectives on Assessment and Evaluation
2	Good Practices in the Classroom
3	Assessing Diverse Populations
4	Reporting Results

More information is available on the Internet at u.s.sales@tvo.org

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IMAGINE II

Staff Development
Grades: K - 12 Teachers
Length: 30 minutes
Series Distributor: PBS
Alexandria, VA 703-739-5402

Imagine II is a six-program series that explores the different ways that good teaching can be enhanced with technology. The series was created for staff development. Each show focuses on a different theme, combining real-life stories and segments shot in actual classrooms with practical advice for getting started, "coping tips" from experienced educators and Internet resources of particular interest.

These six Imagine programs illustrate the impact technology can have on teaching and learning as demonstrated through the findings of 10 years of Apple Classrooms of Tomorrow (ACOT) research. ACOT research has proven that the introduction of technology into classrooms can significantly increase the potential for learning, especially when it is used to support collaboration, information access and the expression and representation of students' thoughts and ideas.

Episode #	Lesson Title
1	How Computers Are Changing the Way We Teach and Learn
2	Enhancing Curriculum with Technology
3	Technology for Enhancing Language Skills and Literacy
4	Multimedia-Exploring the Possibilities
5	Networking-Beyond the Classroom Walls
6	Cyber Classroom-Now and In the Future

More information is available on the Internet at peters.l@applelink.apple.com

INTEGRATING INTERNET IN THE CLASSROOM

Staff Development
Grades: all teachers
Length: varies
Series Distributor: EPS
Columbia, SC 803-799-5517

Program 1, "Introduction" introduces the use of the Internet in the classroom and the use of electronic mail for communications (listservs and discussion groups), on-line cooperative projects, and global activities are illustrated. Program 2, " World-wide Web Resources", demonstrates the vast resources available on the Internet and how they can be applied in the classroom including on-line journals and lesson plans, software (freeware shareware and everything in between), and examples by curriculum area. Program 3, "More World-wide Web Resources", discusses how students can use Internet resources outside of the classroom, for example, a global library, student as world traveler, career and employment resources, and the pros and cons of searching.

Episode #	Lesson Title
1	Introduction
2	World-wide Web Resources
3	More World-wide Web Resources

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MULTIMEDIA TECHNOLOGY II

Staff Development
Grades: K - 12
Length: 30 minutes
Series Distributor: EPS
Columbia, SC 803-799-5517

The development of personal computers has changed our approach to education and training. This onslaught of technology has been called the biggest revolution in communications since the invention of the printing press and the emergence of multimedia technologies have fueled this exciting movement. This video-based program defines multimedia and offers practical applications to enhance learning.

Hosted by broadcast journalist Joan Steffend, the series features demonstrations of educators and trainers using multimedia applications in their classrooms. The series provides a convenient opportunity for educators to learn about multimedia technology, how to apply it in educational and business training settings, the types of equipment needed, and how to develop multimedia projects to enhance student learning.

Episode #	Lesson Title
1	Orientation to Multimedia
2	Hardware Introduction
3	Software Introduction
4	Assessing Data Networks
5	The Multimedia Design Team

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UNDERSTANDING THE INTERNET

Technology In-Service
Grades: all teachers
Length: 60 minutes
Series Distributor: PBS
Alexandria, VA 703-739-5402

This program examines the history and current applications of the Internet and explores what lies ahead for this revolutionary communications medium. Host Robert Duncan speaks with Internet gurus who helped pave the way to make the Internet possible and visits with a variety of homepage proprietors, including a teenager who edits an on-line magazine and Time Warner, which hopes to be the first publishing entity to offer all of its magazines on-line.

Episode #	Lesson Title
1	Understanding the Internet

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USING THE INTERNET

Technology In-Service
Grades: all teachers
Length: 60 minutes
Series Distributor: PBS
Alexandria, VA 703-739-5402

Host Robert Duncan examines how the Internet works, particularly the World Wide Web. Duncan traces the birth of the Web and meets with the computer gurus who made the Web possible. Duncan also investigates the lack of laws governing the Internet and the problems in resolving Net crime and notions of decency. On the lighter side, Duncan visits with everyday users who use the Internet for activities ranging from playing chess to shopping to talking with friends to visiting museums.

Episode #	Lesson Title
1	Using the Internet

A HOME FOR PEARL

Science
Grades: K - 5
Length: 20 minutes
Series Distributor: EPS
Columbia, SC 803-799-5517

A Home for Pearl teaches children about wildlife habitats and heightens their awareness of what our wild animal friends need to survive. Young viewers also learn about the difference between wild and domestic animals and about urban wildlife, predators, endangered species, and the effects of habitat loss. Much of the series revolves around the efforts of several children and a wildlife biologist to rehabilitate and find an appropriate ecosystem for "Pearl," an injured bald eagle. The segments are designed in four separate units. An excellent teacher guide accompanies them. The National Education Association and the National Association of Elementary School Principals have endorsed the series.

Episode #	Lesson Title
1	The Robin
2	Habitat Diversity
3	Predators
4	The Right Home for Pearl

BILL NYE, THE SCIENCE GUY

Science
Grades: 3 - 7
Length: 20 minutes
Series Distributor: KCTS

Bill Nye, The Science Guy, from the fictional "Nye Labs" – where there's always something bubbling in a beaker – to far above the earth, Bill Nye takes science out of the classroom, then adds adventure and his own inimitable zaniness to prove just how integral science is to everyday life. Working alongside a diverse cast of children, science experts and celebrity guests, Nye introduces and explores each program's main topic using studio demonstrations and experiments. The demonstrations use inexpensive, safe household items to enable viewers to follow along at home or in the classroom.

Web site: http://nyelabs.kcts.org/

CHEMISTRY DEMONSTRATIONS & ANIMATION

Chemistry
Grades: 9 - 12
Length: 60 minutes
Series Distributor: ITS
State College, PA 703-476-4468

CHEMISTRY DEMONSTRATIONS AND ANIMATIONS I is a selection of various experiments, demonstrations, and animated segments presenting and explaining various chemical concepts through demonstrations and animation. The tape presents demonstrations that might be dangerous to conduct in the classroom, or require equipment not readily available in the typical science classroom. Animation is used to illustrate abstract concepts and to help explain what is happening in the demonstrations.

The experiments are: 1) Mercury Determination Using a Spectrophotometer-Accuracy & Precision; 2) Experimenting With Gas Pressure I, II, III; 3) Effect of Temperature on Pressure; 4) Liquid Nitrogen & Racquet Balls; 5) Changes of State in Bromine; 6) Experimenting with Electrical Charges; 7) The Rutherford Experiment; 8) Similarities & Trends in Groups (Noble Gases & Alkali Metals); 9) Energy States & A Sound Wave Analogy; 10) Energy States & Chlorophyll; 11) A Generic Spectroscopic Instrument; 12)The Mole-From Counting to Weighing; 13) Blowing Balloons with Moles of Hydrogen; 14) Water and Ice; 15) A Solution with Water; 16) Alcohol Dissolves in Water; 17) Water and Oil; 18) An Exothermic Reaction; 19) An Endothermic Reaction; 20) Activation Energy; 21) Copper-Zinc Electrochemical Cell; 22) Water Surface Tension; and 23) Color Indicators & Dry Ice.

Episode #	Lesson Title
1	Chemistry Demonstrations and Animations I

ECOSPEAK: COMING TO AN UNDERSTANDING

Science
Grades: 10 - Adult
Length: 40 minutes
Series Distributor: CHEVRON
San Francisco, CA 707-996-1996

This new Chevron Video Showcase series clarifies environmental issues from a scientific perspective so that students, using critical thinking skills based on accurate information, can make intelligent and thoughtful decision about their environmental concerns. Optional Q & A segments at the end of each segment, feature leading scientists answering in depth various questions concerning the issues.

Episode #	Lesson Title
1	The Greenhouse Effect
2	The "Hole" in the Ozone
3	Smog

Teacher's guides are available free on the Internet at http://www.chevron.com.

ENVIRONMENTAL CHANGE: CAUSES AND CONSEQUENCES

Environment
Grades: 7 - 12
Length: 15 minutes
Series Distributor: EPS
Columbia, SC 803-799-5517

Environmental Change: Causes and Consequences investigate causes and effects of environmental change on the biosphere and on human health. The program examines 1) air pollution and environmental change on the Red Spruce and Fraser Fir ecosystems of the Blue Ridge Mountains, and 2) chemical changes in the environment that result in the long term changes in human health. Estrogens and their effects on human and animal health are the focus on the chemical changes in our environment. All members of the environmental scientific community do not support all of the theories and their implications presented in this video.

The program is designed for secondary school students conveying a sense of discovery and presenting many aspects of environmental science as exciting, relevant career paths. Student interest in understanding and solving environmental problems will be the initial point for an interdisciplinary approach to the sciences being studied in secondary schools. Scientists and researchers from the National Institute of Environmental Health Science and North Carolina State University are featured talking to teenagers

Episode #	Lesson Title
1	Red Spruce and Fraser Fir Ecosystems of the Blue Ridge Mountains
2	Estrogenic Compounds Known as Environmental Estrogens

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IN CELEBRATION OF AMERICA'S WILDLIFE

Science
Grades: 4 - 6+
Length: 30 minutes
Series Distributor: EPS
Columbia, SC 803-799-5517

A classroom will discover why many wildlife species in the United States are more abundant now than during the past 100 years. They will watch wildlife biologists study black bears in Maine, trap and relocate wild turkeys in Missouri and desert bighorn sheep in the Southwest, and census caribou in Alaska. Funds acquired through the Federal Aid in Wildlife Restoration Act (Pittman-Robertson Act) of 1937 make these projects possible and provide new lands for wildlife.

This program illustrates the importance of protecting and enhancing America's wildlife by bringing together the efforts of state wildlife agencies, professional wildlife biologists, universities, sportsmen, and landowners.

Episode #	Lesson Title
1	In Celebration of America's Wildlife

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INTEGRATED SCIENCE: THE ENVIRONMENT

Science
Grades: 6 - 8
Length: 15 minutes
Series Distributor: EPS
Columbia, SC 803-799-5517 or
1-800-477-8151

Supporting the national reform effort in secondary school science, this series taps a growing concern about the environment. The series will help students consider the concept of biomes, enlarge their view to include the entire biosphere, and the effect people have on the various ecosystems. Video field trips to Costa Rica, Mexico, the Amazon and various locales in the U.S.

Episode #	Lesson Title
101	Protection, Please
102	Migration Mystery
103	Prairies Past
104	Here Today, Gone Tomorrow
105	The Environment
106	Symbiotic Relationships
107	Endangered Species
108	Succession
109	The Big Picture
110	Air Today, Smog Tomorrow
111	Water Everywhere
112	Dust to Dust

Teachers' Guides are available on the Internet at http://www.sa.ua.edu/sa/ccet/is.htm

and www.ccet.ua.edu/ishome.htm

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NASA PROGRAMMING

Science
Grades: K - 12
Length: varies
Distributor: NASA

Topics revolve around **NASA** space exploration and experiments. New programs may be added as acquired during the year. These programs are made available through the Idaho Space Grant organization at the University of Idaho, which has received a large library of NASA videos through that grant. Programs will vary in length and cover a wide diversity of aerospace subjects, including the history of flight, rocket research, satellite reconnaissance, lunar exploration, planets and stars, etc.

Episode #	Lesson Title
	First nine episodes under title "NASA at Work"
1	Structures for Flight Propulsion
2	National Aero-Space Plane
3	A Question of Life
4	A Question of Life, Part 2
5	19 Minutes to Earth
6	FuturePath
7	Seeds of Discovery
8	Mercury: The Exploration of a Planet
9	NASA: Pioneer/Saturn Encounter
10	NASA/Application Satellites
11	NASA/Application Satellites
12	NASA/Earth Resources
13	NASA/Earth Resources

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THE NEW EXPLORERS III

Science / Geology
Grades: 5 - 8
Length: 30 minutes
Series Distributor: PMI
Chicago, IL 312-878-2600

Award winning Public Television series that takes the viewers round the globe from ocean floods to mountaintops. They join scientists on thrilling discoveries as they are made.

Episode #	Lesson Title
301	The Fragile Fossil
302	The Dream Fulfilled
303	The Great Chicago Flood
304	Running Out of Time
305	Endeavor
306	Don't Judge a Book
307	Orphans of Time
308	Superseeds
309	Spiral of Silence
310	Dive into Darkness
311	Beyond the Looking Glass
312	The Restless Earth
313	Children of the River

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NO TIME TO WASTE

Environmental Science
Grades: K - 6
Length: 30 minutes
Series Distributor: SLIM

No Time To Waste is a program that involves school children in three locations - Washington, D.C., Oakland, CA, and Toronto, Canada - exploring environmental issues. Step by step we follow the children's progress beginning with research and ending with active negotiations regarding environmental problems with community leaders. In addition, the show features students from Russia, Hungary, Sweden, France, Switzerland, England, and Holland, all following similar steps in their native lands.

Episode #	Lesson Title
1	No Time to Waste

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OCEANS ALIVE! PART 1 & 2

Science
Grades: 4 - 8
Length: 5 minutes
Series Distributor: ENV
Chapel Hill, NC 919-933-3003

Oceans Alive! is a series of 40 five-minute programs supporting the teaching of themes in science as illustrated by marine animals filmed on-location in oceans around the world. The series describes the characteristics of living things, and shows how they function, grow and interact. It also demonstrates how they relate to other living things, including humans, and shows how they are classified. Ecosystems are defined and energy flow is described. This series boasts some of the finest underwater videography ever shot, and should hold students' attention easily. Since Idaho has no ocean shores of its own, this series may be the first exposure many students have had to marine life.

Episode #	Lesson Title
	Oceans Alive, Part 1
1	Introduction to **Oceans Alive!**
2	Cnidaria
3	Corals
4	Porifera
5	Echinoderms
6	Crustacea
7	Sharks and Rays
8	Bony Fishes
9	The Oceans' Nursery: Salt Marsh and Mangrove Forest
10	The Food Chain
11	Respiration
12	Senses

Episode #	Lesson Title
13	Quick-Change Artists
14	Protection by Deception
15	Armed and Dangerous
16	Reproduction
17	Predation
18	Life Together
19	The Clownfish and the Anemone
20	Is the Deep Blue Sea, Blue?
	Oceans Alive, Part II
21	Introduction to Oceans Alive!, Part II
22	Marine Mammals, One
23	Marine Mammals, Two
24	Estuaries
25	The Ecology of An Island
26	Tides
27	Shorelines
28	Beaches and Dunes
29	The Maritime Forest
30	Pelagic Birds
31	The Deep Ocean
32	The Aquifer
33	The Sargassum Community
34	Barnacles
35	Mollusks
36	The Cleaning Station
37	Wanderers (Plankton)
38	Marine Plants

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Episode #	Lesson Title
39	The Food Web
40	Life at the Vents

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50

REAL SCIENCE II

Science Careers
Grades: 5 - 10
Length: 20 minutes
Series Distributor: PMN
Denver, CO 303-837-8000

Who says science has to be dull? Join hip teen reporters as they pair up with professionals from various scientific fields to explore careers in science. **Real Science! II** challenges students perceptions of science and scientists, encouraging adolescents to pursue activities and courses that could lead to a career in science or a related field (such as science writing). The programs feature women and minorities as hosts and as professionals engaged in challenging scientific careers. **Real Science! II** episodes spotlight fascinating aspects of scientific jobs and feature scientists on the job.

Episode #	Lesson Title
201	On the Water
202	Weathering the Storm
203	Eyes on the Skies
204	On the Brink of Extinction
205	Bugs and Babies
206	Quest for Cures

Educational resources for this are: www.realscience.org

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REAL SCIENCE III

Science Careers
Grades: 6 - 11
Length: 30 minutes
Series Distributor: PMN
Denver, CO (303) 837-8000 ext. 216

This new 13-part series of **Real Science!**, filled with music and graphics and hosted by teen reporters, is specifically targeted to the 12-through-16 year old audience. Each program profiles several exciting scientists working in a variety of fields. The goal of **Real Science!** is to show teens the excitement of the sciences and to possibly inspire a new generation of American scholars.

Episode #	Lesson Title
301	Deep Subs
302	Blast Off
303	Flying Doctors
304	Fire and Water
305	Disease and Discovery
306	Trailblazers
307	Computer Dreams
308	Rad Cad
309	Fueling the Future
310	High Flyers
311	Swamp Story
312	Getting Physical
313	Blast From the Past

More information is available on the Internet at ktch.org
& www.realscience.org

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THE SALMON PROJECT

Environment/BioScience
Grades: 7 - 12
Length: 15 minutes
Series Distributor: DIGITAL
Aptos, CA 408-688-3158

The Salmon Project is designed to stimulate critical thinking about the exploitation and conservation of natural resources. The story of the conflict over restoring and preserving salmon in the Pacific Northwest provides an excellent subject for classroom discussion and debate. Funded in part by the National Science Foundation and the True North Foundation, the programs feature case studies that serve as a springboard for classroom discussion and debate.

Students become part of the "E-Force", a fictional task force organized to resolve environmental conflict. As E-Force members, students will evaluate ecological and economic data, debate the issues, and make recommendations for conflict resolution.

Episode #	Lesson Title
1	The Salmon and the Snake
2	Power to the People
3	Stemming the Flow
4	Lost at Sea
5	Like a River Again
6	Changing the River: Changing the People

STARFINDER

Astronomy
Grades: JH - SH
Length: 15 minutes
Series Distributor: MDDOE
410-767-0075

This series is based on the Hubbell Space Telescope and its journeys and discoveries. The series not only covers findings, it links different fields of science and explores some of the different career opportunities that exist in space exploration. Each program of **Starfinder** consists of three parts: "Data Stream" highlights an important finding made possible by the telescope, "Science Links" will link one specific earth science or physics concept with the working of the universe, and "The People Behind HST" will profile the jobs of people associated with the telescope and how their career paths evolved.

Episode #	Lesson Title
1	Making Sense of Data
2	Pictures from Numbers
3	Why a SPACE Telescope
4	The Expanding Universe
5	Laws of Motion
6	How Big is the Universe?
7	Gravity in Space
8	Orbital Motion
9	Gravity and Weight
10	Fusion Energy
11	Evolution of a Star
12	Tapping the Sun's Power
13	Energy Transfer

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Episode #	Lesson Title
14	Rotational Energy
15	The Nature of Light
16	Earthbound Telescopes
17	The Hubbell Instruments
18	Density of Matter
19	Ancient Astronomers
20	The Constellations
21	Using the Celestial Sphere
22	Magnetic Fields
23	Electromagnetic Radiation
24	Fingerprints of Light
25	Our Solar System - Part I
26	Our Solar System - Part II
27	Conservation: Energy and Matter
28	Pulsars and Quasars
29	Diffraction
30	Cosmology

TRAIL

Science
Grades: 4 - 7
Length: 15 - 20 minutes
Series Distributor: PMN
Denver, CO 303-837-8000

This is a very popular series produced by Idaho Public Television. The objective of the **Trail** series is greater student understanding of the processes at work in nature. Using examples from nature, **Trail** introduces student viewers to the patterns and laws at work in ecosystems and explores the role of humans in preserving or changing those systems.

Episode #	Lesson Title
1	Seeing
2	Helping
3	Measuring
4	Surviving
5	Ending
6	Eating
7	Sharing
8	Living
9	Caring

VIEWS OF THE EARTH

Science
Grades: 8 - 12
Length: 20 minutes
Series Distributor: CHEVRON
San Francisco, CA 707-996-1996

Views of the Earth traces the science of geology as it developed through various historical periods and examines the theories of leading geologists throughout the ages. Combining colorful photography and intriguing animation, this program captures the interest and inspires the imagination of viewers.

Episode #	Lesson Title
1	Views of the Earth

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WATERY BIOMES

Science
Grades: 7 - 12
Length: 30 minutes
Series Distributor: ENV
Beaufort, SC 800-368-3382

This series focuses on organisms in their natural environments, how they live, where they live and how they interact with each other and with their environment. Program one, "The Small Life of Ponds and Wetlands", presents a series of field trips in aquatic micro-space (weedy shallows, bottom ooze, open water, temporary pools etc.) examining the organisms typically in these biotic communities and exploring their ecological relationships. This episode gives teachers instant access to 26 of the classical organisms studied in biology, describing where they live and how they live, complete with demonstrations showing how to collect and observe. Program two, "Life at the Sea's Edge", features 28 video modules that utilize the seashore to focus on foundation concepts of biology, with a close look at some classics of biology such as: sea stars, nudibranchs, jelly fish, marine algae, crabs, annelids and the larval stages of marine invertebrates.

Episode #	Lesson Title
1	Small Life of Ponds & Wetlands
2	Life At The Sea's Edge

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WHAT'S IN THE NEWS: SPACE

Science
Grades: 4 - 7
Length: 15 minutes
Series Distributor: ITS
State College, PA 703-476-4468

What's in the News: Space provides accurate and interesting information about the space sciences and their applications as relevant and important human activities in an historical context. The programs are organized around three themes: 1) To be Human is to explore and discover; 2) In Earth Orbit and Beyond: people, science and technology; and 3) Image of Earth: communications, information and perspectives. The programs provide a basis for:
1. Exploring connections between the space sciences and the work and interests of people in multiple walks of life; 2. Enhanced understanding of concepts of science and technology; 3. Enhanced understanding of the nature of science and technology in the context of human History; 4. Stimulating consideration of careers in science, technology, and other space related vocations; 5. Enlightened citizenship in a scientific age when we are just beginning to explore beyond planet Earth; and 6. Sensing the excitement and the importance of continuing inquiry and exploration in the space sciences specifically and in human experience more generally. This series promises to give viewers an enhanced understanding of the concepts of science, technology, and space exploration and how they relate within the context of human history.

Episode #	Lesson Title
1	Introduction: History of Space Flight
2	Astronomy
3	Gravity
4	Space Shuttle
5	Teamwork
6	Ecosystems
7	Living in Space
8	Working in Space

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9	Communications Satellites
10	Landsat Satellites
11	Weather Stations
12	Summary - Looking Beyond Our Galaxy

Educational Resources for this is located at: www.cde.psu.edu/EdComm/WITNWeb

AMERICAN FRONTIERS I & II

History
Grades: 7 - 12
Length: Varies (3 - 8 minutes)
Series Distributor: PMN
Denver, CO 303-837-8000

American Frontiers is divided into two series, which highlight unique aspects of the American frontier. **American Frontiers I** is a series of sixteen programs of varying lengths; **American Frontiers II** has been divided into five fifteen-minute programs covering two or three topics in each program. The programs portray some of the most colorful places, characters and events of the Old West, which endure as frontier legends. The mining, the justice, the struggle for survival, the wealth and the faith that motivated the men and women who settled the frontiers of America are brought vividly to life.

Episode #	Lesson Title
	American Frontiers I
1	Joaquin Murietta
2	James Hume
3	Bat Masterson
4	OK Corral
5	Bird Cage Theatre
6	Piper's Opera House
7	Lola and Lotta
8	Mark Twain
9	Lillie Hitchcock Coit
10	James Marshall
11	John Sutter
12	Nellie Cashman

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Episode #	Lesson Title
13	Comstock Lode
14	Tent Cities
15	Chinese Workers
16	The Golden Spike
	American Frontiers II
	Program 1 "Mining"
1	Horace Greeley
2	Central City
3	The Central City Opera House
	Program 2 "Justice"
4	Fort Smith
5	"Hanging Judge" Parker
	Program 3 "Survival"
6	The Donner Party
7	"Snowshoe" Thomson
	Program 4 "Wealth"
8	The Tabors of Colorado
9	The "Unsinkable" Molly Brown
	Program 5 "Religious Faith"
10	The Handcart Companies
11	Mission San Diego

ECONOMICS

Economics
Grades: 4 - 6
Length: 15 minutes
Series Distributor: CENTRE
Boulder, CO 303-444-1166

Through five stand-alone programs, this series introduces the student to the basic concepts of economics. Understanding economic concepts and principles has become increasingly important in preparing the student for negotiating the ever faster changing world of job, business and life decisions. **Economics: The Production, Distribution, and Consumption of Goods and Services** lays a strong foundation for making wise choices in our increasingly economics driven future.

Episode #	Lesson Title
	These titles are not necessarily in order.
1	Resources
2	Producing
3	Needs and Wants
4	Consuming
5	Money

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LAND TO LANDFILL: A SYSTEMS PERSPECTIVE

Social Studies
Grades: 6 - 8
Length: 15 minutes
Series Distributor: ITS
State College, PA 703-476-4468

The **Land to Landfill** curriculum integrates social studies, mathematics, science, language arts, home economics, and health and nutrition into one entertaining short series. This program helps students develop a systems perspective on the crucial topic of how we get our food, how we consume and dispose of it and the packaging, and deals with future food sources and questions.

Episode #	Lesson Title
1	Overview of the Food System
2	The Packaging Process
3	Hunger and the Food System
4	unknown

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NATIVE AMERICAN SERIES

Social Studies
Grades: 3 -5
Length: 20 minutes
Series Distributor: CENTRE
Boulder, CO 303-444-1166

Five hundred years ago, indigenous Native American Indians occupied all the lands of North America. By regions, this series introduces the student to Native American cultures. Each program, through stunning live-action cinematography, shows the continuity of customs, culture and history of the Native Americans in each region. The student will develop a strong understanding of this heritage, which is part of our country.

Episode #	Lesson Title
	These titles are not necessarily in order.
1	Indians of California
2	Indians of the Northwest
3	Indians of the Plains
4	Indians of the Southeast
5	Indians of the Southwest

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PEACE CORPS DESTINATIONS

Soc/Geology
Grades: 3 - 12
Length: 20 minutes
Series Distributor: Peace Corps
Washington, DC 202-606-3911

The primary purpose of the **Destination** videos and their accompanying teacher guide is to help students gain a greater understanding of another culture and region of the world. The series is designed to encourage students both to look more closely at their own culture as well as to identify the similarities and differences that exist among cultures.

Episode #	Lesson Title
101	Cameroon
102	Honduras
103	Lesotho
104	Marshall Islands
105	Sri Lanka
201	Kyrgyzstan
202	Lithuania
203	Nepal
204	Senegal
205	Paraguay

See Peace Corps Website for additional materials and information: http://www.peacecorps.gov

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PROFILES IN DIPLOMACY: THE US FOREIGN SERVICE

Social Studies
Grades: 9 - 12, Postsecondary
Length: 60 minutes
Series Distributor: ITS
State College, PA 703-476-4468

Profiles in Diplomacy: The US Foreign Service examines government relations and the day-to-day work of Foreign Service officers. It stimulates curiosity and discussion about the functions of the Foreign Service and gives students a firsthand look at six officers as they fulfill their various duties abroad and in Washington D.C.

Episode #	Lesson Title
1	Profiles in Diplomacy: The US Foreign Service

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SPIRIT OF THE LAND: ALASKA

Social Studies
Grades: 7 - 12
Length: 15 minutes
Series Distributor: CHEVRON
San Francisco, CA 707-996-1996

This series of 15-minute videotapes shows how contemporary Native American cultures, living in vastly different environments, meet the challenge of balancing the past with the present.

Spirit of the Land: Alaska describes the relationship between the Yupʻik people and their environment through the changing of the seasons. Features Eskimo youth, which are challenged to find a balance between ancient traditions and modern technology.

Episode #	Lesson Title
1	Alaska: The Yupʻik Eskimos

Free Teacher's Guide is available on the Internet at http://www.chevron.com

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SPIRIT OF THE LAND: HAWAII

Social Studies
Grades: 7 - 12
Length: 15 minutes
Series Distributor: CHEVRON
San Francisco, CA 707-996-1996

This series of 15-minute videotapes shows how contemporary Native American cultures, living in vastly different environments, meet the challenge of balancing the past with the present.

Spirit of the Land: Hawaii focuses on traditional ways of life in the Hawaiian Islands - fishing, lei making and planting taro - and features sailing on the Hokule'a, a replica of an ancient Polynesian voyaging canoe.

Episode #	Lesson Title
1	Hawaii: Continuing Traditions

Free Teachers Guides are available on the Internet at http://www.chevron.com

SPIRIT OF THE LAND: IN THE WAKE OF OUR ANCESTORS

Social Studies
Grades: 7 - 12
Length: 30 minutes
Series Distributor: CHEVRON
San Francisco, CA 707-996-1996

This series of 15-minute videotapes shows how contemporary Native American cultures, living in vastly different environments, meet the challenge of balancing the past with the present.

Spirit of the Land: In the Wake of Our Ancestors shows the first stages of the Native Hawaiian Culture and Arts Program's Hawaiiloa canoe project, including the search for tall koa trees (for the hulls), the dramatic tree felling ceremony in Southeast Alaska, the arrival of the spruce logs at Bishop Museum in Honolulu and the shaping and carving of the canoe hulls. Examines environmental concerns raised by the failed koa search on the Big Island of Hawaii. Show community members as they join in a tremendous reforestation effort and make a strong commitment to care for the natural resources of their home.

Episode #	Lesson Title
1	In the Wake of our Ancestors

Free Teachers Guides are available on the Internet at http://www.chevron.com

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TAXES IN U.S. HISTORY

Social Studies
Grades: 5 - 8
Length: 20 minutes
Series Distributor: AIT
Bloomington, IN 800-457-4509

As consumers, workers, and savings account holders, teens are paying taxes. **Taxes in U.S. History** focuses on important historical events to explore issues such as the need for governments to raise revenues, how tax policies influence economic behavior, and what is a fair income tax. Viewing these programs should give teens a better perspective on taxes, and serve as a springboard for discussion with young wage earners.

Episode #	Lesson Title
T	Teacher Program
1	The Whiskey Rebellion: First Test of the Federal Power to Tax, 1794
2	The Protective Tariff Issue, 1832
3	Fairness and the Income Tax, 1909

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U.S. GEOGRAPHY: FROM SEA TO SHINING SEA

Geography
Grades: 4 - 8
Length: 20 minutes
Series Distributor: ALTSCHUL
Evanston, IL 847-328-6700

From the rocky shores of New England to the wilderness of Alaska, from the Canadian border to the southern tip of Texas, this beautifully photographed series shows how geography helped shape the history, government, business, and culture of the United States. Viewers learn about the prominent industries, agriculture, mining, and historical events of each region, and map skills are reinforced to help students locate cities, states, oceans, rivers, and geographical features. Each program has a teachers guide available.

Episode #	Lesson Title
	These titles are not necessarily in order.
1	New England Region
2	Middle Atlantic Region
3	Pacific West Region
4	South Central Region
5	Southeast Region
6	Midwest and Great Plains Region
7	Mountain West Region
8	New York City

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WHAT IS HISTORY/ECONOMICS?

Social Studies
Grades: 7 - 12
Length: 30 minutes
Series Distributor: CHEVRON
San Francisco, CA 707-996-1996

This series examines specific academic subjects in depth, using authentic art objects, photographs and dramatized vignettes to explain, illustrate and demystify various concepts and basic terminology.

In the **History** segment, a young student thinks about the nature of history and imagines past events. The evidence shows that "history" consists of a series of recollections, artifacts, oral and written stories, and even lies, so reconstructing an accurate picture of the past requires our sharpest critical thinking skills.

Narrated by a San Francisco bicycle messenger as he provides a "service" by delivering "goods", the **Economics** segment provides a colorful primer of terms and a quick course in basic economic concepts.

Episode #	Lesson Title
1	History
2	Economics

Free Teacher's Guide is available on the Internet at http://www.chevron.com

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WORTH THE RISK

Social Science
Grades: 7 - 12
Length: 40 minutes
Series Distributor: CHEVRON
San Francisco, CA 707-996-1996

Taking risks is part of everyone's life. Learning to recognize and evaluate the potential benefits versus the costs of our decisions is an essential lesson. In the video, **Worth the Risk**, a group of students candidly discuss the risks they take in their everyday lives, those they choose not to take and why. Experts provide insight to help teens recognize the difference between acceptable and unacceptable risk-taking. Designed for use in language arts, life sciences and social studies classes.

Episode #	Lesson Title
1	Worth the Risk

Free Teachers Guides are available on the Internet at http://www.chevron.com

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Appendix A

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Appendix B

SERIES DISTRIBUTORS

AIT
Barbara Ravellette
Box A
Bloomington, IN 47404
(800) 457-4509

ALTSCHUL
Altschul Group Corp
1560 Sherman Ave Ste 100
Evanston, IL 60201
(708) 328-6700

CENTRE
Deborah O'Grady
1800 30th St, Ste 207
Boulder, CO 80301
(303) 444-1166

CHEVRON
Jackie Baldwin
Chevron Corp.
(707) 996-1996

DIGITAL
Ron Nolan
Susan Nolan
Digital Studios
209 Santa Clara Ave
Aptos, CA 95003
(408) 688-3158

ENV
Bill Pendergraft
Environmental Media
P.O. Box 1016
Chapel Hill, NC 27514
(919) 933-3003

EPS
Jady Wade
P.O. Box 50008
Columbia, SC 29250
(803) 799-5517

GPN
Gaylen Whited
P.O. Box 80669
Lincoln, NE 68501
(800) 228-4630

ISDE
Trish Getty
Idaho Dept of Education
PO Box 83720
Boise, ID 83720-0027
(208) 332-6960

ITS
Bill Barnhart
P.O. Box 1290
State College, PA 16804
(703) 476-4468

KCTS
401 Mercer Street
Seattle, WA 98109

MDDOE
Greg Talley
Maryland Dept. Of Educ.
200 W Baltimore St
Baltimore, MD 21201
(410) 767-0075

NASA
Geoff Haines
NASA
PO Box 1502
Summit, NJ 07902-1502
(908) 273-4108

PBS
Francis Thompson
1320 Braddock Place
Alexandria, VA 22314
(703) 739-5402
(Please contact your local station)

PEACE
Stephani Skalak
Peace Corps
1990 K St NW
Washington, DC 20526
(202) 606-3911

PENTON
Hugh
Penton Overseas, Inc.
2470 Impala Dr
Carlsbad, CA 92008
(619) 431-0060 ext. 681

PMI
Scott Benton
5547 N. Ravenswood Ave.
Chicago, IL 60640
(312) 878-2600

PMN
Molly McGill
1550 Park Ave.
Denver, CO 80218-1661
(303) 837-8000

SLIM
Slim Goodbody Corp
(207) 763-4483

TVOntario
Beth Garrett
1140 Kildaire Farm Rd.
Suite 308
Cary, NC 27511
(800) 331-9566

USDE
Louie E. Mathis
U.S. Dept. Of Education
400 Maryland Avenue,
SW
Washington, DC 20202
(202) 732-4637

W.W. Norton Co.
500 Fifth Avenue
New York, NY 10110

WIT
Donna Matson
Western Instructional
TV
(213) 466-8601

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